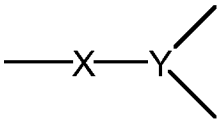
## Amendments to the Claims

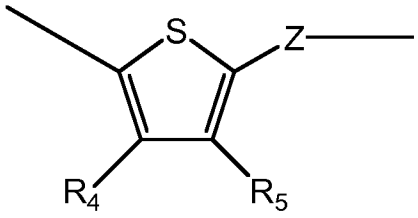
This is a complete listing of claims and supersedes all other listings:

1. (Previously presented) A dendritic polymer having a branching structure including repeating units each having a branch portion, each of said repeating units having a structure represented by formula (1), and containing a linear portion X formed of an optionally substituted divalent organic group and a branch portion Y formed of an optionally substituted trivalent organic group:




(1)

characterized in that the linear portion X is represented by formula (3):




(3)

wherein Z represents a single bond or an optionally substituted divalent organic group which is at least partially conjugated with thienylene; and each of $R_4$ and $R_5$ is selected from hydrogen, an alkyl group, and an alkoxy group; and the linear portion X is at least partially conjugated with the branch portion Y;

the portion Y included in the repeating unit and serving as an end of the branching structure is bonded to end moieties which are different from the repeating unit; wherein the end moieties have hole conductivity, electron conductivity, or ion conductivity;

and in that the polymer exhibits semiconducting characteristics.

2. (Previously presented) A dendritic polymer according to claim 1, wherein a conductive state is attained through application of electricity.

3. (Previously presented) A dendritic polymer according to claim 1, wherein a conductive state is attained through application of photoexcitation.

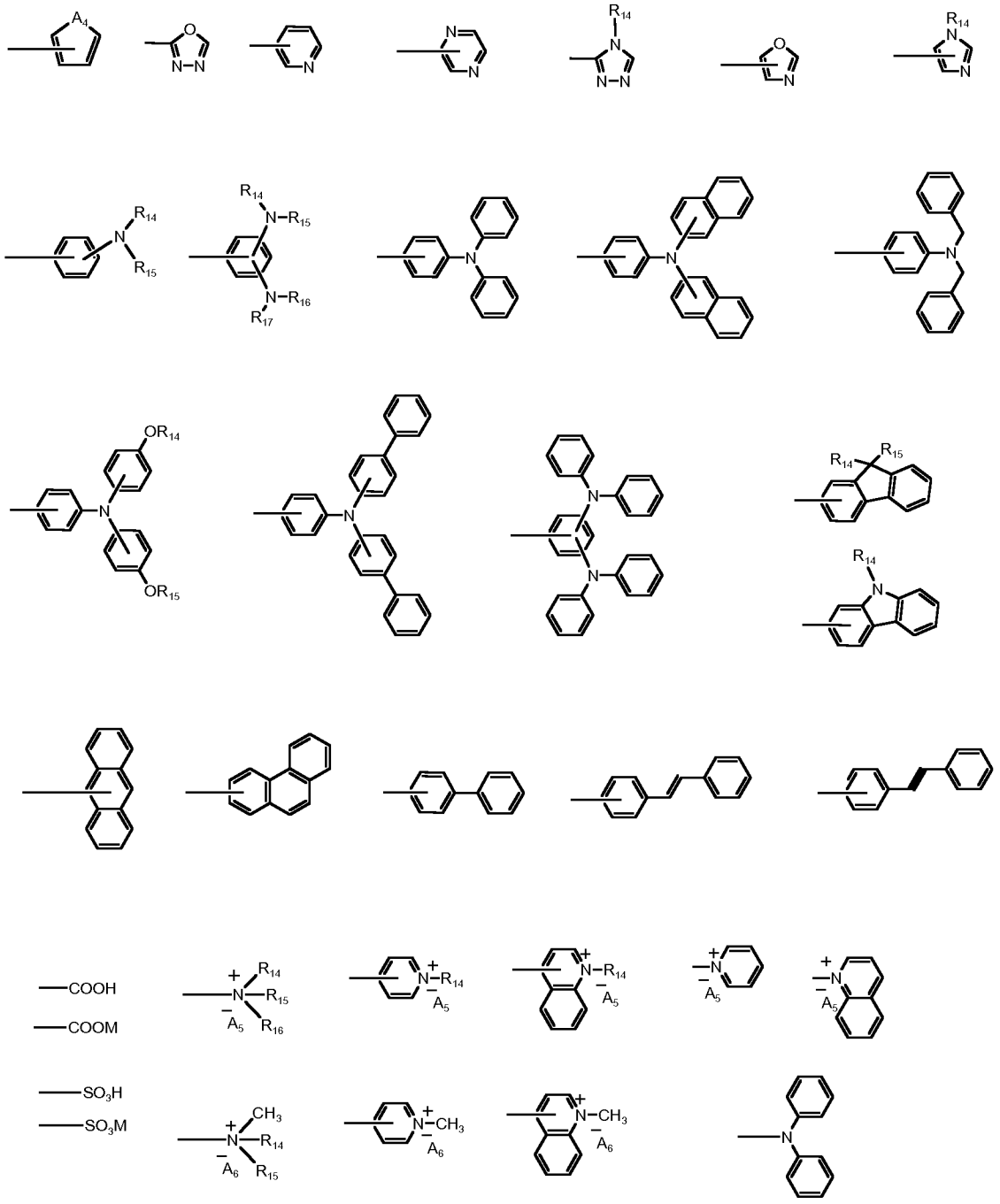
4. (Previously presented) A dendritic polymer according to claim 1, containing substantially no doping reagent.

5. (Previously presented) A dendritic polymer according to claim 1, wherein the portion X included in the repeating unit and serving as a starting point of the branching structure is further bonded to a center moiety serving as a core.

6. (Original) A dendritic polymer according to claim 5, wherein the core is a group having a valence of at least two to which at least two of the repeating unit can be directly bonded.

7. (Previously presented) A dendritic polymer according claim 1, wherein the end moieties are selected from the moieties represented by the following formula (I):

(I)




$A_4$ = O, S, N-$R_{18}$

$R_{14}$ to $R_{18}$ = a hydrogen atom or an alkyl group

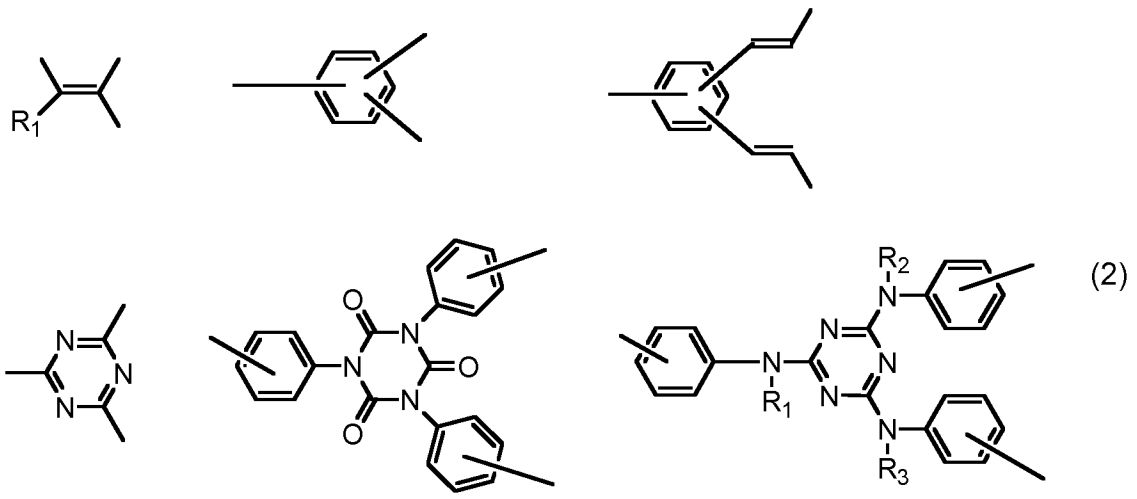
$A_5$ = Cl, Br, I

$A_6$ = $CH_3SO_4$

M = Li, Na, K, ammonium, monoalkylammonium, dialkylammonium, trialkylammonium, or tetraalkylammonium.

8. (Previously presented) A dendritic polymer according to claim 1, wherein the branch portion Y includes, as a branching center, a chemical entity selected from among chain hydrocarbons (aliphatic hydrocarbons), cyclic hydrocarbons (including alicyclic compounds and aromatic compounds), and heterocyclic compounds (including aromatic heterocyclic compounds and non-aromatic heterocyclic compounds).

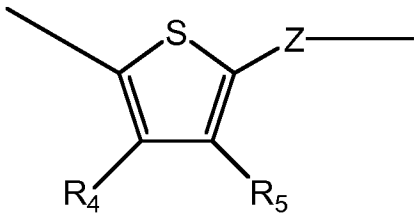
9. (Original) A dendritic polymer according to claim 8, wherein the branch portion Y is selected from among the moieties represented by formula (2):




(2)

wherein each of $R_1$, $R_2$, and $R_3$ represents a hydrogen atom or an alkyl group.

10. (Withdrawn) A dendritic polymer according to any one of claims 1 to 9, wherein the linear portion X is represented by formula (3), and is at least partially conjugated with the branch portion Y:



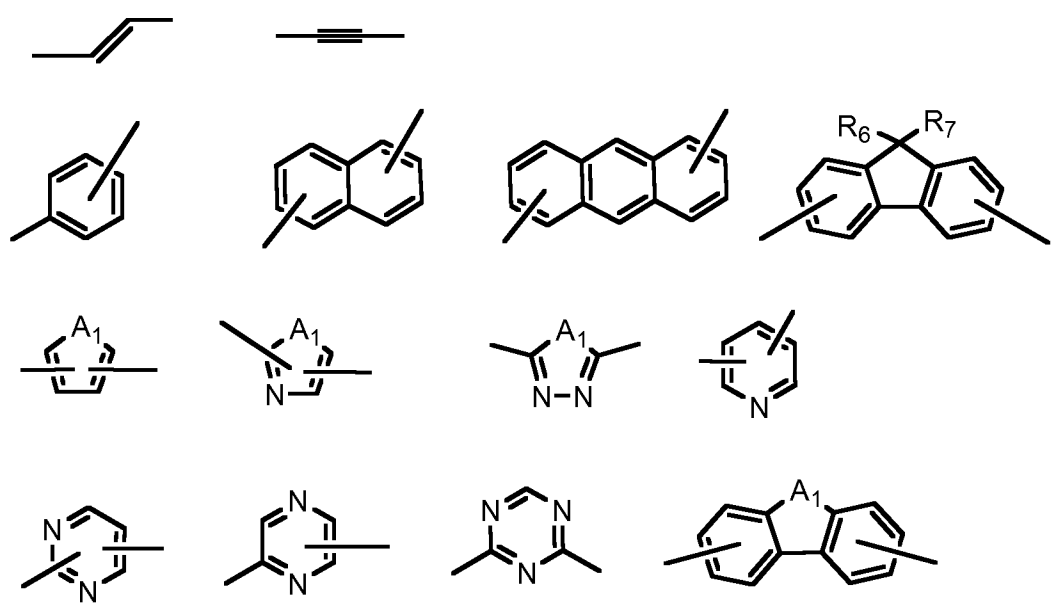

(3)

wherein Z represents a single bond or an optionally substituted divalent organic group which is at least partially conjugated with thienylene; and each of $R_4$ and $R_5$ is selected from hydrogen, an alkyl group, and an alkoxy group.

11. (Previously presented) A dendritic polymer according to claim 1, wherein the substituent Z is a substituent formed from a moiety selected from the group consisting of substituted or unsubstituted chain hydrocarbon (aliphatic hydrocarbon) moieties, substituted or unsubstituted cyclic hydrocarbon (including alicyclic compound and aromatic compound) moieties, and substituted or unsubstituted heterocyclic compound (including aromatic heterocyclic compound and non-aromatic heterocyclic compound) moieties; a substituent formed from a plurality of same moieties continuously linked together selected from said group; or a substituent formed from a plurality of different moieties continuously linked together selected from said group.

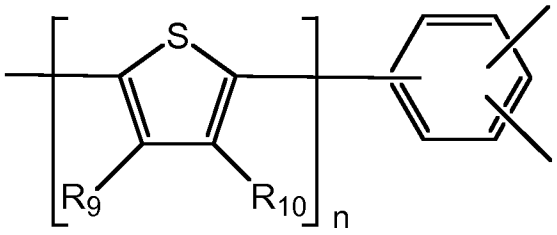
12. (original) A dendritic polymer according to claim 11, wherein
the substituent Z is a substituent formed from a moiety selected from the group consisting of substituted or unsubstituted unsaturated aliphatic hydrocarbon moieties and substituted or unsubstituted cyclic or heterocyclic aromatic compound moieties; a substituent formed from a plurality of same moieties continuously linked together selected from said group; or a substituent formed from a plurality of different moieties continuously linked together selected from said group.

13. (original) A dendritic polymer according to claim 12, wherein the substituent Z is a substituent formed from a moiety selected from the group represented by formula (4); a substituent formed from a plurality of same moieties continuously linked together selected from said group; or a substituent formed from a plurality of different moieties continuously linked together selected from said group:




wherein $A_1$ represents O, S, or N-$R_8$, and each of $R_6$, $R_7$, and $R_8$ represents a hydrogen atom or an alkyl group.

14. (Previously presented) A dendritic polymer according to claim 1, wherein the repeating unit is represented by formula (5):




(5)

wherein each of $R_9$ and $R_{10}$ is selected from hydrogen, an alkyl group, and an alkoxy group, and n represents an integer of 1 to 10.

15. (Previously presented) A dendritic polymer according to claim 1, which is a dendrimer.

16. (Withdrawn) An electronic device element characterized by employing a dendritic polymer as recited in claim 1.

17. (Withdrawn) An electronic device element according to claim 16, which is a charge-transporting device element.

18. (Withdrawn) An electronic device element according to claim 16, which is a switching transistor element.

19. (Withdrawn) An electronic device element according to claim 16, which is a light-emitting device element.

20. (Withdrawn) An electronic device element according to claim 16, which is a photoelectric conversion device element.